DOCUMENT RESUME

ED 410 808 HE 030 381

TITLE Eight Baccalaureate Degree Completion Programs To Be Offered by Indiana State University Statewide via Mediated Instruction.

INSTITUTION Indiana State Commission for Higher Education, Indianapolis.

PUB DATE 1997-04-11

NOTE 32p.; Page 15 contains very dark print.

PUB TYPE Legal/Legislative/Regulatory Materials (090) -- Reports - Descriptive (141)

EDRS PRICE MF01/PC02 Plus Postage.

DESCRIPTORS Access to Education; Allied Health Occupations Education; *Bachelors Degrees; Business Administration; *Computer Mediated Communication; Continuing Education; Distance Education; *Extension Education; External Degree Programs; Higher Education; Nontraditional Education; Open Universities; Part Time Students; Partnerships in Education; State Universities; Technology Education; Telecommunications; *Telecourses; Trade and Industrial Education; Vocational Education

IDENTIFIERS *Indiana State University; *Mediated Instruction

ABSTRACT

This document proposes establishment of eight bachelor of science programs to be offered through Partnerships for Enhancing Postsecondary Participation by Indiana State University. These mediated instruction programs are in the areas of: (1) business administration, (2) community health, (3)electronics technology, (4) general industrial supervision, (5) general industrial technology, (6) industrial automotive technology, (7) mechanical technology, and (8)vocational trade-industrial-technical education. It is proposed that they will be offered at campuses and postsecondary centers in six regions throughout the state: South Bend/Elkhart/Warsaw; Fort Wayne; Kokomo/Logansport; Muncie/Anderson/Marion; Columbus/Bloomington; and Sellersburg. The document summarizes the history of the program, delivery methods, transfer arrangements, budgeting understandings, and enrollment projections. The text is supported by appended enrollment/completion data projections, extracts from a report on student transfers from associate programs to public four year colleges, revised budget requests, and descriptions of the proposed eight telecommunications programs. (CH)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED 410 808

[INDIANA]
COMMISSION FOR HIGHER EDUCATION
Friday, April 11, 1997

DECISION ITEM A-3: **Eight Baccalaureate Degree Completion Programs To Be Offered by Indiana State University Statewide via Mediated Instruction**

Staff Recommendation

(1) That the Commission for Higher Education approve the eight Bachelor of Science programs in Phase I of the Partnerships for Enhancing Postsecondary Participation (PEPP) to be offered by Indiana State University (ISU) via mediated instruction at the twelve Ivy Tech campuses and postsecondary centers in Regions Two, Three, Five, Six, Ten, and Thirteen of the College, in accordance with the background discussion in this agenda item, and each *Abstract*, March 28, 1997;

(2) That the Commission approve these programs with the understanding that continued authorization depends upon:

(a) Initiating delivery of the programs by no later than September 1997 and

(b) Maintaining steady progress in delivering the remaining coursework required for the programs;

(3) That the eight baccalaureate programs be authorized for additional Ivy Tech campuses and postsecondary centers by routine staff action at any time, provided that Indiana State can demonstrate appropriate logistical support for each additional site;

(4) That authorization of additional sites outside of the Ivy Tech State College system for the eight baccalaureate programs require action by the Commission;

(5) That Indiana State University only admit into the program Ivy Tech graduates with associate

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)
This document has been reproduced as received from the person or organization originating it.
Minor changes have been made to improve reproduction quality.
Points of view or opinions stated in this document do not necessarily represent official OERI position or policy.

PERMISSION TO REPRODUCE AND DISSEMINATE THIS MATERIAL HAS BEEN GRANTED BY
Indiana Commission for Higher Education
TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

HE 030 381

BEST COPY AVAILABLE

degrees or graduates with associate degrees in technical areas from other institutions; and

(6) That the Commission not authorize Phase II PEPP programs until Indiana State University can demonstrate that the Phase I PEPP programs are being implemented according to plan.

Background

Previous Discussions. At its February 1997 meeting, the Commission for Higher Education discussed an initiative of Indiana State University-Ivy Tech State College entitled Partnerships for Enhancing Postsecondary Participation (PEPP). Indiana State University has indicated that when PEPP is fully implemented, as many as 23 baccalaureate degree completion programs will be delivered statewide via telecommunications and other mediated forms of instruction. PEPP will be implemented with no less than 13 learning centers, which will be established at Ivy Tech facilities in each of its 13 regions. These learning centers will allow ISU to serve all 22 of Ivy Tech's campuses and postsecondary centers, as well as other parts of the state. The University projects that the 23 degree programs available through PEPP will eventually enroll over 2,900 headcount or 800 FTE students.

At its March 1997 meeting, the Commission discussed Phase I of PEPP, which calls for the delivery of eight Bachelor of Science (B.S.) programs, and directed staff to analyze potential program duplication (see later section entitled "Program Transfer Understandings").

The same eight B.S. programs that were discussed in March are now before the Commission with a staff recommendation for action. In each case, the agreements reached between Indiana State and Ivy Tech will allow 100 percent of the Ivy Tech credit to transfer into one or more of the eight B.S. programs in Phase I of PEPP.

Programs. Indiana State University seeks authorization to deliver the following eight baccalaureate programs:

- B.S. in Business Administration
- B.S. in Community Health

- B.S. in Electronics Technology
- B.S. in General Industrial Supervision
- B.S. in General Industrial Technology
- B.S. in Industrial Automotive Technology
- B.S. in Mechanical Technology
- B.S. in Vocational Trade-Industrial-Technical Education

Sites. Indiana State's revised budget request of March 4, 1997 seeks support necessary to establish learning centers in the following six Ivy Tech regions during the 1997-99 Biennium:

Region Two	South Bend/Elkhart/Warsaw
Region Three	Fort Wayne
Region Five	Kokomo/Logansport
Region Six	Muncie/Anderson/Marion
Region Ten	Columbus/Bloomington
Region Thirteen	Sellersburg

However, Indiana State University is seeking authorization to deliver the eight programs statewide, initially at all 22 Ivy Tech campuses and postsecondary centers, to be followed by Vincennes, and sites in Southeastern and South Central Indiana, pending further discussion. Citing previous practice followed with Commission authorizations to deliver a program statewide via mediated instruction, ISU is requesting that additional delivery sites be added through routine staff action once the University has informed the Commission of the new locations.

Delivery. ISU intends to deliver the coursework needed to complete the last two years of the eight baccalaureate programs through a variety of mediated formats, including IHETS, videotapes, software, and the Internet. Indiana State will not deliver the coursework needed to complete the first two years of the baccalaureate programs. Accordingly, "ISU does not expect to admit students until they complete their [associate] degrees ...

However, some students who are nearing completion of their associate degree may request special consideration for early admission so that they can enroll in ISU classes to fill out their schedule [while they are completing their associate degree]."

The only on-site presence of instructional faculty will be associated with the delivery of lab work required for the Electronics Technology, General Industrial Technology, Industrial Automotive Technology, and Mechanical Technology baccalaureate programs. Indiana State has indicated that most Ivy Tech regional campuses have adequate laboratory facilities that may be utilized. Where necessary, the University may also utilize labs at local high schools, area vocational centers, and industrial sites.

Program Transfer Understandings. At its March 1997 meeting, the Commission for Higher Education discussed a progress report on transferring Ivy Tech credit to four-year institutions. The progress report revealed that program transfer understandings have been worked out that will allow 24 Ivy Tech associate degrees at specific sites to transfer between 75-100 percent of their credit hours to closely related baccalaureate programs offered by local four-year public campuses (see Attachment 2, Table 6).

If the Indiana State University program request were to be approved by the Commission in its entirety (i.e. all 22 Ivy Tech campuses and postsecondary centers), a total of 57 additional specific program-to-program transfer agreements would be put into effect, thus tripling the existing number of agreements (29) currently in place (see Attachment 2, Table 9).

Aside from agreements with ISU, there are currently only three transfer understandings with public institutions in any of the eight program areas proposed in Phase I of PEPP that will allow Ivy Tech graduates to transfer 75 percent or more of their credits into related baccalaureate programs (see Attachment 2, Table 6). Two of these agreements are with Purdue University Calumet and apply to graduates of Ivy Tech Design Technology and Electronics Technology associate degree programs.

The third program transfer understanding is with the University of Southern Indiana in the field of Business Administration. None of these three programs is in an Ivy Tech region, for which authorization would be given initially, should the Commission approve the staff recommendation.

Commission Understandings. The Commission for Higher Education understands that by authorizing these eight baccalaureate degree programs, the Commission has not modified its budget recommendation for the 1997-99 Biennium, consistent with action previously taken by the Commission with respect to PEPP on February 14, 1997.

The Commission also understands that Indiana State will need to revise its projections for enrollments in proposed eight baccalaureate programs if the Commission authorizes less than all 22 Ivy Tech campuses and postsecondary centers at this time and/or if the General Assembly does not appropriate funds to support the PEPP initiative in the amount requested by the Indiana State University (see Attachment 3). Under one or both of these circumstances, the University is requested inform the Commission of any adjustments to the projected headcount and FTE enrollments and degrees conferred, should that be necessary.

Finally, the Commission understands that a program review of the eight baccalaureate programs should be conducted in conjunction with development of the Commission's budget recommendation for the 1999-2001 Biennium.

Revised Enrollment Projections. The Commission's March discussion item on PEPP included a set of headcount and FTE enrollment projections for each of the eight ISU baccalaureate programs under consideration; these projections have been recently revised (see Attachment 1). The three generalist programs -- General Industrial Supervision, General Industrial Technology, and Vocational Trade-Industrial-Technical Education -- are now projected to enroll the most students (140 headcount or 70 FTE students each). The two Phase I programs that are expected to enroll the fewest students are Community Health and Industrial

6 BEST COPY AVAILABLE

Automotive Technology (15 headcount or eight FTE and 25 headcount or 12 FTE students, respectively).

The revised enrollment projections assume that the General Assembly has appropriated the funds that the University has requested and that 75 percent of the students will come from Ivy Tech and 25 percent from other institutions.

When the proposed PEPP programs are fully implemented, the University's goal is to offer the coursework with sufficient frequency to enable a student, in most cases, to complete a baccalaureate degree in two years, and in all cases, in three years or less. Since most students are expected to enroll in the B.S. programs on a part-time basis, the average time to complete a degree is expected to be four years.

Supporting Documents

(1) *Enrollment Projections for the Eight Bachelor of Science Programs Proposed by Indiana State University*, March 28, 1997

(2) *Material Extracted from "Transferring Ivy Tech Credit to Public Institutions: 1997 Progress Report," Commission for Higher Education*, March 13, 1997

(3) *Revised PEPP Budget Request: Six Learning Center Pilot*, March 4, 1997

(4) *Abstracts for the Eight Bachelor of Science Programs in Phase I of PEPP*, March 28, 1997

Attachment 1

ENROLLMENT PROJECTIONS FOR THE EIGHT BACHELOR OF SCIENCE PROGRAMS PROPOSED BY INDIANA STATE UNIVERSITY

Commission for Higher Education

March 28, 1997

March 5, 1997

ENROLLMENT AND DEGREE COMPLETION PROJECTIONS FOR THE EIGHT BACHELOR OF SCIENCE PROGRAMS PROPOSED BY INDIANA STATE UNIVERSITY

	FY1998	FY1999	FY2000	FY2001	FY2002
Headcount Enrollment Projections					
Business Administration	20	55	80	100	110
Community Health	5	10	10	15	15
Electronics Technology	15	45	60	75	85
General Industrial Supervision	50	117	147	157	140
General Industrial Technology	50	117	147	157	140
Industrial Automotive Technology	5	15	20	25	25
Mechanical Technology	15	35	45	60	65
Vocational Technical Education	50	117	147	157	140
Total	210	511	656	746	720
FTE Enrollment Projections					
Business Administration	7	18	40	50	55
Community Health	2	3	5	8	8
Electronics Technology	5	15	30	38	43
General Industrial Supervision	17	39	73	78	70
General Industrial Technology	17	39	73	78	70
Industrial Automotive Technology	2	5	10	13	12
Mechanical Technology	5	12	23	30	33
Vocational Technical Education	17	39	73	78	70
Total	72	170	327	373	361

Note: These projections include a small number of new students who are expected to attend on campus; about 90% of the projected enrollees are expected to be off-campus

BEST COPY AVAILABLE

MATERIAL EXTRACTED FROM "TRANSFERRING IVY TECH CREDIT TO PUBLIC INSTITUTIONS: 1997 PROGRESS REPORT"

Commission for Higher Education

March 13, 1997

Table 6

IVY TECH ASSOCIATE DEGREE PROGRAMS TRANSFERRING 50 PERCENT OR MORE CREDITS TO LOCAL PUBLIC FOUR-YEAR CAMPUSES

	Ivy Tech Degree Program	75-100 Percent	50-74 Percent
1.	Accounting		IPFW
2.	Administrative Office Technology		IU Northwest
3.	Automotive Technology	ISU	
4.	Business Administration	ISU USI	IU Northwest Purdue Calumet
5.	Child Development		IPFW
6.	Computer Information Systems	IU Northwest Purdue Calumet IPFW USI	IUPUI IU East
7.	Design Technology	Purdue Calumet ISU	IPFW
8.	Electronics Technology	Purdue Calumet ISU	IPFW
9.	Hospitality Administration	Purdue Calumet	IUPUI IPFW
10.	Manufacturing Technology		ISU
11.	Nursing	IU East IU Northwest IU South Bend IU Southeast IUPUI Purdue Calumet USI	Ball State
12.	Occupational Therapy Assisting	IUPUI	
13.	Paramedic Science	USI	
14.	Radiologic Technology	IUPUI	
15.	Respiratory Care	IUPUI	
16.	Visual Communications	USI	

Table 9

AVAILABILITY AND EXTENT OF FULL TRANSFERABILITY (75% OR MORE OF CREDITS) TO LOCAL PUBLIC UNIVERSITIES OF IVY TECH ASSOCIATE DEGREE PROGRAMS

	Associate Degree Programs by College Unit	Number of Sites at Which Program Is Offered	Number of Sites That Have Transfer Opportunities	*Potential ISU Sites*	Percent of Sites That Have Transfer Opportunities
Business Division					
1	Accounting	20	0		0%
2	Administrative Office Technology	21	0		0%
3	Business Administration	17	2	*15*	12%
4	Computer Information Systems	22	5		23%
5	Hospitality Administration	4	1		25%
6	Paralegal	2	0		0%
Health and Human Services Division					
7	Child Development	4	0		0%
8	Human Services	3	0	*3*	0%
9	Medical Assistant	13	0		0%
10	Medical Laboratory Technician	2	0		0%
11	Nursing	9	9		100%
12	Occupational Therapy Assisting	1	1		100%
13	Paramedic Science	2	1		50%
14	Physical Therapy Assistant	2	0		0%
15	Radiologic Technology	2	1		50%
16	Respiratory Care	4	1		25%
17	Surgical Technology	4	0		0%
Technology Division					
18	Aircraft Maintenance Technology	1	0		0%
19	Automotive Technology	13	1	*12*	8%
20	Construction Technology	4	0		0%
21	Design Technology	13	2	*11*	15%
22	Electronics Technology	20	4	*16*	20%
23	Industrial Technology	20	0		0%
24	Manufacturing Technology	8	0		0%
25	Public Safety	3	0		0%
26	Quality Sciences	1	0		0%
	(Not Intended for Transfer)				
27	*Apprenticeship Tech. (Bricklayers)*	9	n/a		n/a
28	*Apprenticeship Tech. (Carpenters)*	5	n/a		n/a
29	*Apprenticeship Tech. (Electricians)*	5	n/a		n/a
30	*Apprenticeship Tech. (Millwrights)*	4	n/a		n/a
31	*Apprenticeship Tech. (Plumbers & Pipefitters)*	3	n/a		n/a
32	*Apprenticeship Tech. (Sheet Metal Workers)*	3	n/a		n/a
34	*Mining Operations*	1	n/a		n/a
33	*Recreational Vechicle Service Technology*	1	n/a		n/a
Visual Technologies Division					
35	Interior Design	2	0		0%
36	Video Technology	1	0		0%
37	Visual Communications	5	1		20%
Programs Intended for Transfer, All Divisions					
	Total -- All Programs	223	29	*57*	13%

CHE Agenda: Unless otherwise noted, Ivy Tech asserts that all associate degree programs should have full articulation agreements with public baccalaureate programs

BEST COPY AVAILABLE

Attachment 3

REVISED PEPP BUDGET REQUEST: SIX LEARNING CENTER PILOT

Commission for Higher Education

March 4, 1997

Revised PEPP Budget Request
Six Learning Center Pilot

				1997-98	98-99 Change	1998-99	1997-99 One Time
Total Budget	ISU Costs	ISU Regional Learning Centers	Learning Center Coordinators	94,412	188,823	283,235	0
			Support Personnel	0	124,800	124,800	0
			S & E	70,655	112,660	183,315	0
			Equipment	0	0	0	45,000
			On Campus Support	111,375	23,625	135,000	0
			Total	276,442	449,908	726,350	45,000
		Program Delivery	Instructional Stipends	25,000	75,000	100,000	0
			Adjunct Salaries	0	0	0	165,000
			Production Personnel	54,000	57,375	111,375	0
			Support Personnel	0	19,500	19,500	0
			S & E	0	0	0	60,000
			Equipment	0	0	0	135,000
			On Campus Support	297,000	81,000	378,000	0
			Total	376,000	232,875	608,875	360,000
		Faculty & Course Dev.	Course Dev. Stipends, Grad Assts, Mini-Grants	100,000	110,000	210,000	0
			Instr. Devel. Personnel	182,250	111,375	293,625	0
			Support Personnel	0	19,500	19,500	0
			S & E - Instr. Dev. Materials	13,068	26,932	40,000	0
			Equipment	0	0	0	70,000
			Total	295,318	267,807	563,125	70,000
		Equipment, Technology Classrooms	Web Servers, DE Equip., Maintenance, 2-Way Video, Production Equip	0	0	0	603,390
			e and voice mail enhancement, DE studio, confer. bridge			0	350,000
			S & E - Telephone, Travel, ISDN, T1,	50,000	100,000	150,000	0
			Total	50,000	100,000	150,000	953,390
		Total ISU Costs		$997,760	$1,050,590	$2,048,350	$1,428,390
	[redacted]	ISU Support		[redacted]	[redacted]	[redacted]	[redacted]
		Tuition Income		[redacted]	[redacted]	[redacted]	[redacted]
		Quality/Technology Improvement		[redacted]	[redacted]	[redacted]	[redacted]
		Total ISU Contribution		$653,550	$150,340	$803,890	$500,000
	[redacted]			[redacted]	[redacted]	[redacted]	[redacted]
	Ivy Tech Costs	Instructional Equipment		81,000	81,000	162,000	405,000
		Telecommunications Connections		30,000	0	30,000	15,360
		Facilities		18,750	18,750	37,500	56,250
		Web Server		0	0	0	40,000
		Total Ivy Tech Costs		$129,750	$99,750	$229,500	$516,610
	[redacted]			[redacted]	[redacted]	[redacted]	[redacted]
Total Request ISU and Ivy Tech				$473,960	$1,000,000	$1,473,960	$1,445,000

BEST COPY AVAILABLE

Attachment 4

ABSTRACTS FOR THE EIGHT BACHELOR OF SCIENCE PROGRAMS IN PHASE I OF PEPP

March 28, 1997

Abstract

Bachelor of Science in Business Administration
To Be Offered by
Indiana State University Statewide via Telecommunications

March 28, 1997

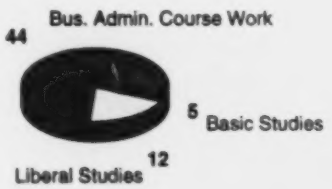
Objectives: The Bachelor of Science (B.S.) degree in Business Administration is a 2+2 program articulation with the first two years being offered by Ivy Tech and the last two years by Indiana State University (ISU). This will be a seamless transfer with no loss of credit.

Clientele to be Served: The major beneficiaries of this partnership are current Ivy Tech students and graduates who are seeking an education that is accessible, affordable, and achievable.

Curriculum: ISU will accept a 63 semester hour package of courses (30 semester hours, General Education; and 33 semester hours, lower division business, mathematics, and computer science courses) from Ivy Tech in a seamless transfer. Entering students (either residential or community-based) will complete 61 semester hours to earn a B.S. in Business Administration. The 61 credit hours consist of the following courses:

Business Administration Course Work (44 credit hours)

- Business Finance (3)
- Management and Organization Behavior (3)
- Principles of Marketing (3)
- Introduction to Management Science (3)
- Management of Production Operations (3)
- Strategic Management (3)
- Major Emphasis (6) *
- Major Emphasis (6) *
- Major Emphasis (6) *
- Electives (8)



* = students choose 6 hours from each of three areas: accounting, decision sciences, economics, finance, insurance, management, marketing, real estate, or management information systems.

General Education Course Work (17 credit hours)

Basic Studies (5 credit hours)

- Business Report Writing (3)
- Physical Education (2)

Liberal Studies (12 credit hours)

- Literary and Artistic Studies (5)
- Historical Studies (2)
- Multi-Cultural Studies (5)

Employment Possibilities: For graduates with a B.S. in Business Administration there are many career opportunities in small businesses to large corporate entities in Indiana.

Abstract

Bachelor of Science in Community Health
To Be Offered by
Indiana State University Statewide via Telecommunications

March 28, 1997

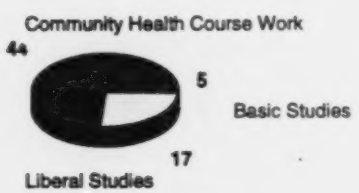
Objectives: The Bachelor of Science (B.S.) degree in Community Health is a 2+2 program articulation with the first two years being offered by Ivy Tech and the last two years by Indiana State University (ISU). This will be a seamless transfer with no loss of credit.

Clientele to be Served: The major beneficiaries of this partnership are current Ivy Tech students and graduates who are seeking an education that is accessible affordable, and achievable.

Curriculum: ISU will accept a 65 semester hours package of courses (27 semester hours, General Education; and 38 semester hours, lover division technical courses) from Ivy Tech in a seamless transfer. Entering students (either residential or community-based) will complete 66 semester hours to earn a B.S. in Community Health. The 66 hours consist of the following courses:

Community Health Course Work (44 credit hours)

- Personal Health Science and Wellness (3)
- Community Health Concepts (3)
- Health Aspects of Ecology (3)
- Health Biostatistics (3)
- Epidemiology (3)
- Community Health Practices (3)
- Educational Methods for Health and Safety (2)
- Substance Abuse (1)
- Mental Health and Stress Education (1)
- Communicable and Chronic Diseases, and AIDS (1)
- Consumer Health and Quackery Education (1)
- Nutrition Education (1)
- Human Sexuality Education (1)
- Health Promotion Planning (3)
- Program Evaluation (3)
- Senior Seminar (3)
- Community Health Internship (3)
- Occupational Diseases and Human Systems (3)
- Argumentation and Debate (3)



General Education Course Work (22 credit hours)

Basic Studies (5 credit hours)

- Advanced Expository Writing (3)
- Physical Education (2)

Liberal Studies (17 credit hours)

- Scientific and Analytical Studies (3)
- Literary and Artistic Studies (5)
- Historical Studies (4)
- Multi-Cultural Studies (5)

Employment Possibilities: The graduates of this program will have career opportunities in the following areas: (1) community health in county health departments, (2) private consulting, (3) directors or assistant directors in non-profit organizations, such as the American Cancer Society, (4) community health education or health promotion in hospitals, (5) employee wellness positions in medium and large private companies, (6) employee wellness consultants with health-insurance companies, and (7) health promotion in group homes and shelters.

Abstract

Bachelor of Science in Electronics Technology
To Be Offered by
Indiana State University Statewide via Telecommunications

March 28, 1997

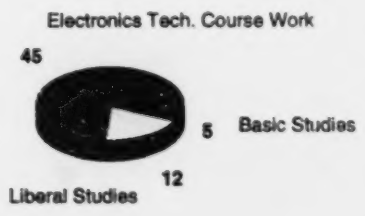
Objectives: The Bachelor of Science (B.S.) degree in Electronics Technology is a 2+2 program articulation with the first two years being offered by Ivy Tech and the last two years by Indiana State University (ISU). This will be a seamless transfer with no loss of credit.

Clientele to be Served: The major beneficiaries of this partnership are Ivy Tech students and graduates who are seeking an education that is accessible, affordable, and achievable.

Curriculum: ISU will accept a 63 semester hours package of courses (30 semester hours, General Education; and 33 semester hours, lower division technical courses) from Ivy Tech in a seamless transfer. Entering students (either residential or community-based) will complete 62 semester hours to earn a B.S. in Electronics Technology. The 62 hours consist of the following courses:

Electronics Technology Course Work (45 credit hours)

- Circuit Analysis II (3)
- Disc Trans Theory/Circ Design (5)
- Analog Integrated Precis (3)
- Indus Electr Pulse Circuits (3)
- Circuit Analysis by Calculus (3)
- Senior Seminar (1)
- Industrial Computer System Management (3)
- Industrial Electronic Curr. Ctrl. Systems (5)
- Fundamentals & Applications of Calculus (3)
- Physical Science (4)
- Fundamental Machine Tool Proc. (3)
- Product Plan & Control I (3)
- Industrial Organ. & Functions (3)
- Industrial Supervision (3)



General Education Course Work (17 credit hours)

Basic Studies (5 credit hours)

- Technical Writing (3)
- Physical Education (2)

Liberal Studies (12 credit hours)

- Literary and Artistic Studies (5)
- Historical Studies (2)
- Multi-Cultural Studies (5)

Employment Possibilities: The graduates of this program will have career opportunities in a large number of industries throughout Indiana from automotive to steel fabrication to high tech development and manufacturing.

Abstract

Bachelor of Science in General Industrial Supervision
To Be Offered by
Indiana State University Statewide via Telecommunications

March 28, 1997

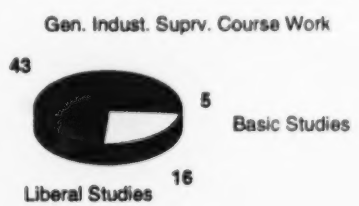
Objectives: The Bachelor of Science (B.S.) degree in General Industrial Supervision is a 2+2 program articulation with the first two years being offered by Ivy Tech and the last two years by Indiana State University (ISU). This will be a seamless transfer with no loss of credit.

Clientele to be Served: The major beneficiaries of this partnership are current Ivy Tech students and graduates who are seeking an education that is accessible, affordable, and achievable.

Curriculum: ISU will accept a 64 semester hour package of courses (31 semester hours, General Education; and 33 semester hours, lower division technical courses) from Ivy Tech in a seamless transfer. Entering students (either residential or community-based) will complete 64 semester hours to earn a B.S. in General Industrial Supervision. The 64 credit hours consist of the following courses:

General Industrial Supervision Course Work (43 credit hours)

- Industrial Organization & Function (3)
- Industrial Supervision (3)
- Problem Solving: A Team Approach (3)
- Survey of Management (3)
- Personnel Management (3)
- Collective Bargaining & Labor Law (3)
- Electives (12)
- Six semester hours from one of the following areas:
  Automotive, Construction, Drafting and Design, Electronics, Graphic Arts, Manufacturing, metals, or packaging
- Seven semester hours from Manufacturing Construction Technology courses



BEST COPY AVAILABLE

General Education Course Work (21 credit hours)

Basic Studies (5 credit hours)

- Technical Writing (3)
- Physical Education (2)

Liberal Studies (16 credit hours)

- Literary and Artistic Studies (5)
- Historical Studies (2)
- Multi-Cultural Studies (5)
- Liberal Studies Electives (4)

Employment Possibilities: The graduates of this program will have career opportunities in a large number of industries throughout Indiana from automotive to steel fabrication to high tech development and manufacturing.

Abstract

Bachelor of Science in General Industrial Technology
To Be Offered by
Indiana State University Statewide via Telecommunications

March 28, 1997

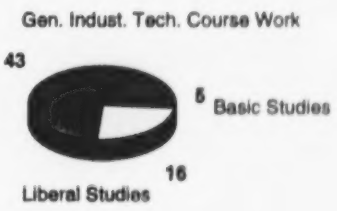
Objectives: The Bachelor of Science (B.S.) degree in General Industrial Technology is a 2+2 program articulation with the first two years being offered by Ivy Tech and the last two years by Indiana State University (ISU). This will be a seamless transfer with no loss of credit.

Clientele to be Served: The major beneficiaries of this partnership are current Ivy Tech students and graduates who are seeking an education that is accessible, affordable, and achievable.

Curriculum: ISU will accept a 64 semester hour package of courses (31 semester hours, General Education; and 33 semester hours, lower division technical courses) from Ivy Tech in a seamless transfer. Entering students (either residential or community-based) will complete 64 semester hours to earn a B.S. in General Industrial Technology. The 64 credit hours consist of the following courses:

General Industrial Technology Course Work (43 credit hours)

- Design Drafting I (2)
- Design Drafting II (2)
- Machine Drafting (3)
- Industrial Design (3)
- Industrial Organization & Function (3)
- Industrial Supervision (3)
- Electives (15)
- 12 semester hours from one of the following areas: Automotive, Construction, Drafting and Design, Electronics, Graphic Arts, Manufacturing, metals, or packaging.



General Education Course Work (21 credit hours)

Basic Studies (5 credit hours)

- Technical Writing (3)
- Physical Education (2)

Liberal Studies (16 credit hours)

- Literary and Artistic Studies (5)
- Historical Studies (2)
- Multi-Cultural Studies (5)
- Liberal Studies Electives (4)

Employment Possibilities: The graduates of this program will have career opportunities in a large number of industries throughout Indiana from automotive to steel fabrication to high tech development and manufacturing.

Abstract

Bachelor of Science in Industrial Automotive Technology
To Be Offered by
Indiana State University Statewide via Telecommunications

March 28, 1997

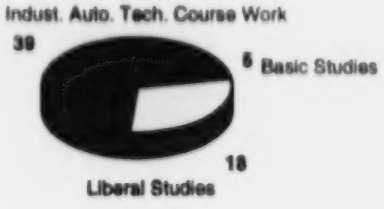
Objectives: The Bachelor of Science (B.S.) degree in Industrial Automotive Technology is a 2+2 program articulation with the first two years being offered by Ivy Tech and the last two years by Indiana State University (ISU). This will be a seamless transfer with no loss of credit.

Clientele to be Served: The major beneficiaries of this partnership are current Ivy Tech students and graduates who are seeking an education that is accessible, affordable, and achievable.

Curriculum: ISU will accept a 64 semester hour package of courses (31 semester hours, General Education; and 33 semester hours, lower division technical courses) from Ivy Tech in a seamless transfer. Entering students (either residential or community-based) will complete 62 semester hours to earn a B.S. in Industrial Automotive Technology. The 62 hours consists of the following courses:

Industrial Automotive Technology Course Work (39 credit hours)

- D.C. Fundamentals (2)
- A.C. Circuits (2)
- Survey of Chemistry Laboratory (1)
- Design Drafting I (2)
- Power Systems (3)
- Auto Materials & Related Prod. (3)
- Thermo Systems (3)
- Senior Seminar (3)
- Service Facility Org. & Mgmt. (3)
- Contemporary Engines (3)
- Industrial Supervision (3)
- Problem Solving Tech: Team App. (3)
- Survey of Management (3)
- Electives (5)



BEST COPY AVAILABLE

General Education Courses Work (23 credit hours)

Basic Studies (5 credit hours)

- Technical Writing (3)
- Physical Education (2)

Liberal Studies (18 credit hours)

- Human Origin (5)
- Literary and Artistic Studies (5)
- Historical Studies (5)
- Multi-Cultural Studies (3)

Employment Possibilities: The graduates of this program will have career opportunities in the automotive (i.e., Chrysler, Ford, and General Motors) and truck (i.e., Toyota) industry in Indiana ranging from design and development, to assembly and in repair management businesses (e.g., Sears, Firestone, and dealership garages).

Abstract

Bachelor of Science in Mechanical Technology
To Be Offered by
Indiana State University Statewide via Telecommunications

March 28, 1997

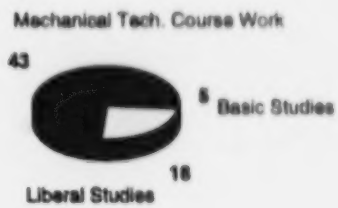
Objectives: The Bachelor of Science (B.S.) degree in Mechanical Technology is a 2+2 program articulation with the first two years being offered by Ivy Tech and the last two years by Indiana State University (ISU). This will be a seamless transfer with no loss of credit.

Clientele to be Served: The major beneficiaries of this partnership are current Ivy Tech students and graduates who are seeking an education that is accessible, affordable, and achievable.

Curriculum: ISU will accept a 64 semester hour package of courses (31 semester hours, General Education; and 33 semester hours, lower division technical courses) from Ivy Tech in a seamless transfer. Entering students (either residential or community-based) will complete 64 semester hours to earn a B.S. in Mechanical Technology. The 64 credit hours consist of the following courses:

Mechanical Technology Course Work (43 credit hours)

- D.C. Fundamentals (2)
- A.C. Fundamentals (2)
- Intro to Industrial & Mechanical Technology (2)
- Graphic Analysis w/calculus (3)
- Applied Mechanisms (3)
- Machine Drawing (3)
- Adv. Comp. Aided Design (3)
- Elements of Machine Design (3)
- Senior Seminar (1)
- Fundamentals of Machine Tool (3)
- Manufacturing Processes (3)
- Quality Control of Industrial Production I (3)
- Technical Management Courses (6)
- Approved Technical Electives (6)



General Education Course Work (21 credit hours)

Basic Studies (5 credit hours)

- Technical Writing (3)
- Physical Education (2)

Liberal Studies (16 credit hours)

- Survey of Chemistry (3)
- Survey of Chemistry Lab (1)
- Literary and Artistic Studies (5)
- Historical Studies (2)
- Multi-Cultural Studies (5)

Employment Possibilities: The graduates of this program will have career opportunities in a large number of industries throughout Indiana from automotive to steel fabrication to high tech development and manufacturing.

Abstract

Bachelor of Science in Vocational Trade-Industrial-Technical Education
To Be Offered by
Indiana State University Statewide via Telecommunications

March 28, 1997

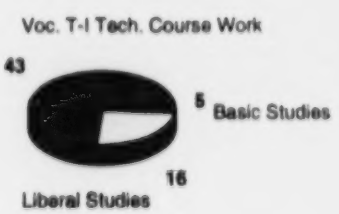
Objectives: The Bachelor of Science (B.S.) degree in Vocational Trade-Industrial Technical Education is a 2+2 program articulation with the first two years being offered by Ivy Tech and the last two years by Indiana State University (ISU). This will be a seamless transfer with no loss of credit.

Clientele to be Served: The major beneficiaries of this partnership are current Ivy Tech students and graduates who are seeking an education that is accessible, affordable, and achievable.

Curriculum: ISU will accept a 64 semester hour package of courses (31 semester hours, General Education; and 33 semester hours, lower division technical courses) from Ivy Tech in a seamless transfer. Entering students (either residential or community-based) will complete 64 semester hours to earn a B.S. in Vocational Trade-Industrial Technical Education. The 64 hours consist of the following courses:

Vocational Trade-Industrial-Technical Eduation Course Work (43 credit hours)

- Dev. & Org. Course Content (3)
- Prin. & Phil. Voc. Tech. Ed. (3)
- Meth. & Strat. Instruct. Programs (3)
- Dev Teach Mtls. Voc. Tech. Ed. (3)
- Eval. Student Performance (3)
- Lab Management & Safety (3)
- Electives (6)
- Directed Electives (19)



General Education Course Work (21 credit hours)

Basic Studies (5 credit hours)

- Technical Writing (3)
- Physical Education (2)

Liberal Studies (16 credit hours)

- Literary and Artistic Studies (5)
- Historical Studies (2)
- Multi-Cultural Studies (5)
- Liberal Studies Electives (4)

Employment Possibilities: The graduates of this program will have career opportunities in Indiana industry, Ivy Tech, vocational secondary centers, and proprietary schools.